



SEQUENCE LISTING

<110> MERKULOV, Gennady et al.

<120> ISOLATED HUMAN RAS-LIKE PROTEINS,
NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
PROTEINS, AND USES THEREOF

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<140> 09/820,003

<141> 2001-03-29

<160> 39

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 <213> Homo sapiens

<400> 5
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<210> 6
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 <213> Homo sapien

<400> 6
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<210> 7
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 <212> PRT
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 <400> 7
 Thr Ala Lys Glu 1

 <210> 8
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 <400> 8
 Thr Asn Val Glu 1

 <210> 9
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 <212> PRT
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 <400> 9
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 <210> 10
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 <400> 10
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 <210> 11
 <211> 6
 <212> PRT
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 <400> 11
 Gly Ala Thr Ala Gly Gly 1 5

 <210> 12
 <211> 6
 <212> PRT
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 <400> 12
 Gly Ala Glu Lys Ser Asn 1 5

 <210> 13
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 <212> PRT
 <213> Homo sapien

 <400> 13
 Gly Asp Ser Gly Val Gly Lys Ser 1 5

<210> 14
 <211> 14
 <212> PRT
 <213> Homo sapien

<400> 14
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<210> 15
 <211> 601
 <212> DNA
 <213> Homo sapien

<220>
 <221> variation
 <222> (301)...(301)
 <223> 't' may be either present or absent

<400> 15
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 ttcatttcag aaaccaaact cgggtaactt ttgataagtt catcaactaa ggcccatggc 480
 agaatttgag ggctaagggg tgtaattagt gtatgggtag aaataagtgc cttctttcta 540
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 t 601

<210> 16
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 16
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 601 600c

<210> 17
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 17

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240tccaccacc agtttagctg actgtcatat gtgtgtcaca tggctcttgc aaaatgctta
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420gtgttgacag tttaaaaaaa ttttttttcc aagggctcca aggacaaaagt tggttttgca
480cagttgaacg gaggtgaact tgaggttctt aatttagtag ttttcttggt aacaataaag
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601

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600a

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<210> 18
<211> 601
<212> DNA
<213> Homo sapien

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<220>
<221> variation
<222> (301)...(301)
<223> 'a' may be either present or absent

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<400> 18
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gtaattccag ctactcagga acctgaggca ggagagtcac ttgaacctgg gaggcggagg 240
ctgcagttag tccagatcat gccactgcac tccagcctga gggacagagt gagactctc 300
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catttttcat aatccactgg ctccactggg atttttttag tgtcaagaaa ataattttga 420
ttggttcac ttttaaggaat gtgttaagaa taaagcatgt ctacctgtct tcagtatacc 480
agctaactat agtaggaaga aatatagtag tctacttaga tcaactataa ttctttaatg 540
cagaaaaagt ttaaagtatt taccttattt ttagcccca tccccttaag tatatcatgg 600
c
601

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<210> 19
<211> 601
<212> DNA
<213> Homo sapien

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<220>
<221> variation
<222> (301)...(301)
<223> 't' may be either present or absent

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<400> 19
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gaatctggga aaaagagggt gccgtgagcc aagattggcc actgcactcc agcctgggtg 180
acagagttag attctgtctc aaaaaataa aaaataaaaa tttccccctt taatcaaatt 240
aagttaaaat gagggatggt agacagtttt taaccatcaa atatttttagt ttagtttttt 300
ttttttaacg ttgtcttaaa gatggaagtg cttcaaaatc aaatcttctt tgccagttct 360
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tggcgtgatc tcggctcact gcaacctccg ccttcagggt ttaagtgatt cttccacctc 480
agcctctcaa gtagctggga gtacaggtgt gtgccaccac acccggtcaa tttttgtagt 540
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a
601

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<210> 20
<211> 601
<212> DNA
<213> Homo sapien

<400> 20
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60agattggcca ctgcactcca gcctgggtga cagagtgaga ttctgtctca aaaaaataaa
120aaataaaaaat ttcccccttt aatcaaatta agttaaagt agggatgtta gacagttttt
180aaccatcaaa tatttttagtt tagttttttt tttttaacgt tgtcttaaag atggaagtgc
240ttcaaaatca aatcttcctt gccagttctc tacttggctt cttttttttt ctttttgaga
300yagagtctca ctttgtcact ggagtgcgtt ggcgtgatct cggctcactg caacctccgc
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480caggttggtc tcaaactcct gacctcgtga tccaccacc tcagccaaat tgctgggatt
540acttgtgtga gccacgcgcc tggcttctac ttggctttta aaggaattt tgctttctga 600g
601

<210> 21
<211> 601
<212> DNA
<213> Homo sapien

<400> 21
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120aggctgttca tgaacctcag attaagaata ctgatttag gagattgaaa acagaaaaga
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240tttaaatctg gtatcccaa ctcatttgag tttttttttt tttttttttt tttttgagac
300raggtgtcgc tttgtccccc aggttgaggt gtagtgggtg gatcttggt cactgcaacc
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420gtgcgccac cagccccagc taattttttg tatttatagt aaagacggag ttccacctta
480ttggccaggc tgggtctcaa ctctgatct tgtgatcctc ccgcctcggc ctcccaaagt
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601

<210> 22
<211> 601
<212> DNA
<213> Homo sapien

<400> 22
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120aatctggtat cccaaactca tttgagtttt tttttttttt tttttttttt tgagacaagg
180tgtcgttttg tccccaggc tggagtgtag tgggtgtgatc ttggctcact gcaacctcca
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420ggattacagg tgtgagccac tgttcccggt ctaatttgag ttttaaaatg tggagttaa
480gatgttagtc ttaaagtggg ttagatgaaa tttataaaaa tagtcaaata gctaaattta
540taaaaggcca tttgaaacaa ttttgtgaaa tatataatgt ggataattat gtagtgcttt 600a
601

<210> 23
<211> 601

<212> DNA
<213> Homo sapien

<400> 23
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120catttgagtt tttttttttt tttttttttt ttgagacaa ggtgtcgctt tgtcccccag
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300rttttttgta tttatagtaa agacggagtt tcaccttatt ggccaggctg gtctcaaact
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420actgttcccg gcctaatttg agttttaaaa tgtggagttt aagatgttag tcttaaagtg
480ggtagatga aatttataaa aatagtcaaa tagctaaatt tataaaaggc catttgaac
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601 600a

<210> 24
<211> 601
<212> DNA
<213> Homo sapien

<400> 24
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120aaaaaatagc caggtgtggt tgggtgctt gtggtccag ctactcaaga ggctgaggca
180agaggggtgc ttgagcccag aagttggagg ctgccgtgaa ctgtgattgc accactgcac
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601 600a

<210> 25
<211> 601
<212> DNA
<213> Homo sapien

<400> 25
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120ctggaaaacag tggataggat ttactagaat aatttacgag ggtgacaatt gtaaatcttc
180atagggttct ttttttttct ttctcttttt ttttttttga gatggagtct cgctctgttg
240cccaggctgg agtgcaatgg cgcagtctct cctcactgca acctccgct cctgggtcca
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480acaggtgtga gccaccgctc ccagccaaat ttttattggt ttctaaacta gcgtaattta
540gttttttttca cttaagtcaa aattatatta ttgtaggata aaaacttagt gatccaaatt
601 600c

<210> 26
<211> 601
<212> DNA
<213> Homo sapien

<400> 26
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 120ttctatcaac atttttactg tgtggtgttt tgtaaattat aaaaacgttt taaagcaaac
 180tcagaacaat gaattctcac gaatttcag tatatttaca gttgagaaat aaactacttc
 240tgtagtaggt aatttaaaat gtcccaatgc aagttaacgt gtcactgac acgctattca
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 360ctcatgtgac tgttgcacag ttagtaaaac aatgggttgc gagagaacca gtagtctttt
 420gcaaagattg tcttatacag agcactcaat tcttcattat atttataatg gctttaattt
 480aagccttaaa ttattagaaa ctcataaata atttttttat ttgttttttt gagatggagt
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600c

<210> 27
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 27
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 601

600a

<210> 28
 <211> 601
 <212> DNA
 <213> Homo sapien

<220>
 <221> variation
 <222> (301)...(301)
 <223> 'a' may be either present or absent

<400> 28
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 aaaaaaaaaa gaaaaaaaaa aaaaaaacia attagcatgt ttcccttcta gagatcattg 360
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 taataatact aatataaaag atgtttgcgt ttttcagtga tgacattggc tctggtacaa 540
 aagcatgtgg gtaaaattgc tgctggcttg gtacacatca aggcagcgct aagctccaaa 600
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<210> 29
 <211> 601
 <212> DNA

<213> Homo sapien

<400> 29

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120attctttacc tctgtgccct cacaggaaca aaaacaagcc gtgccatttt tattgaagat
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601

600g

<210> 30

<211> 601

<212> DNA

<213> Homo sapien

<400> 30

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120atcttgggtct cctgactagc taggtttaca ggcgtgtgccc atcacacca ctaatttttt
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360actttttttt tttttttttt ttttgagaca gagacatgcc ttgtcgctg ggctggagt
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480ctcagcctcc cgggtagctg ggattacagg cgcccgccac cagctccagc taattttttg
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601

600t

<210> 31

<211> 601

<212> DNA

<213> Homo sapien

<400> 31

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120tctttcatct ttaataggaa tttcttttcc atgcctgaag gcctcatttt gaacattttg
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480gggattacag gcgtgcgcca ccacacctg ctaatttttt gtatttttag tagagacaga
540gtttcaccat gttggttagg ctggtctcga actcctgacc tcgtgatctg cctgactcgg
601

600c

<210> 32

<211> 601

<212> DNA

<213> Homo sapien

<400> 32

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 601

600g

<210> 33
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 33
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 601

600g

<210> 34
 <211> 601
 <212> DNA
 <213> Homo sapien

<400> 34
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